

Meeting Topics

- Remaining work to be completed
 - Building clean-up and demolition
 - Soil and groundwater investigation and remediation
- Update on the tritium in groundwater investigation
 - New wells installed
 - Probable source
- Historical Site Assessment
 - Recently released
 - Example of building 20, Hot Lab

http://apps.em.doe.gov/etec

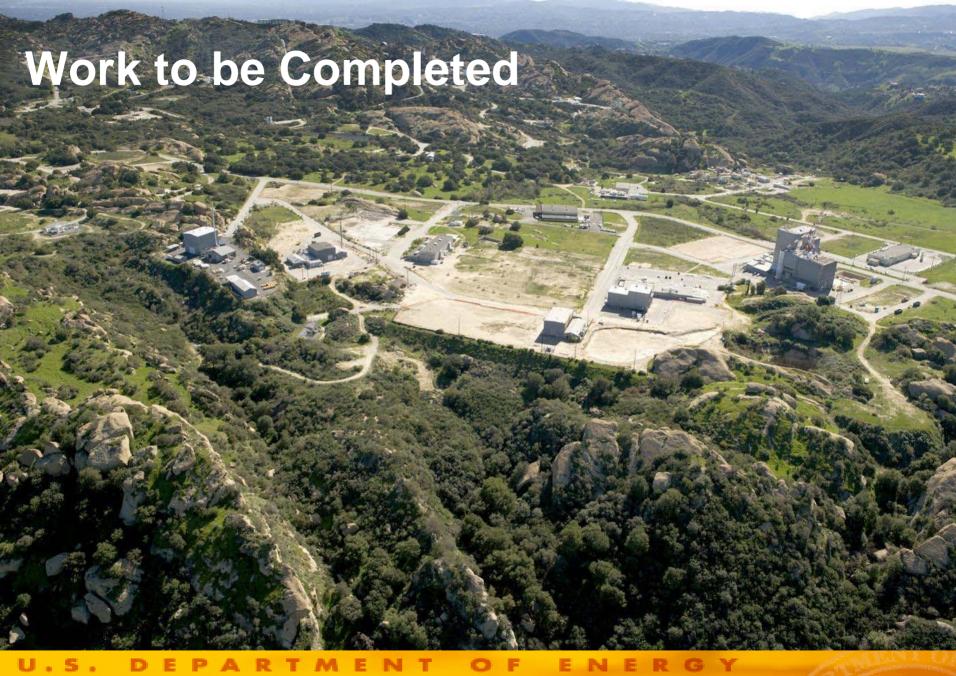


Work to be Completed





Well installation



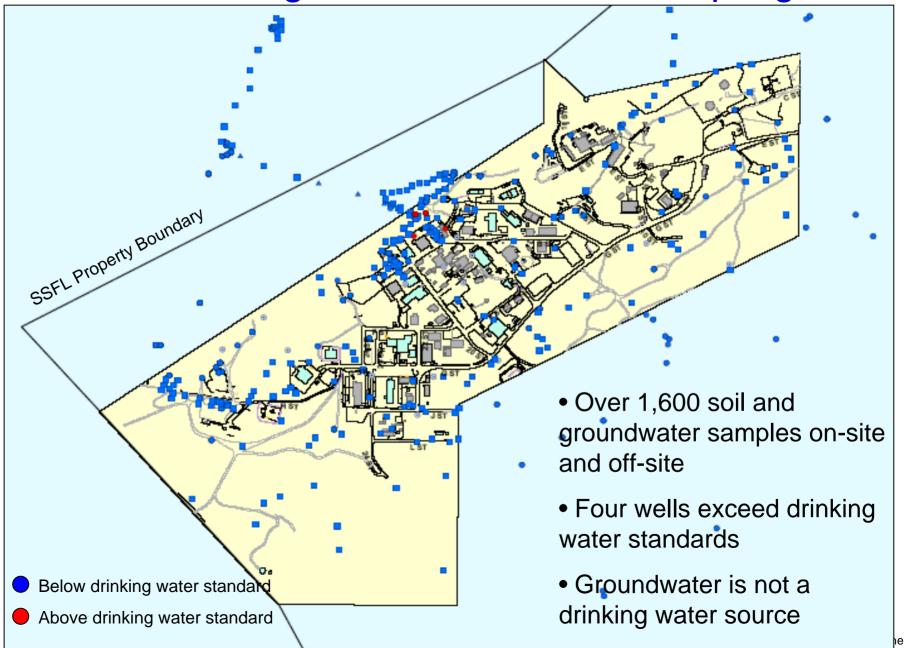








Soil and groundwater tritium sampling



Historical Site Assessment Volume 1 - Methodology

- 272 Sites classified based upon use of radiological materials
 - Impacted, radiological materials were used at the site
 - non-impacted
- 95 Impacted sites reviewed for current status
 - 70 sites previously released
 - 25 sites require additional work

Available at:

http://apps.em.doe.gov/etec/hsa.html

Historical Site Assessment of Area IV
Santa Susana Field Laboratory
Ventura County, California
Volume 1 - Methodology



Prepared by Sapere Consulting Inc. and Boeing Company for the Department of Energy May 2005

Historical Site Assessment Volume 2 – Site Summaries

- Site Identification
- Operational Use History
- Site Description
- Relevant Site Information
- Radiological Surveys
- Status
- References
- Photographs

Figure 3-3. Example Site Summary

Site Summary - Site 4XXX

Site Identification:

 Any name used for the site (site purpose and association changed over time, resulting in several different names). Includes any additional support structures used to service the building not warranting an individual site summary (e.g., substations, guard shacks, time clock structures and construction shacks).

Operational Use/History:

The date the site was constructed, programs the site supported, dates these programs were
operating, deactivation/decontamination activities, and demolition date.

Site Description:

 A physical description of the site and any holding tanks or other below ground structures, leachfield, or air filter structure (stacks, HEPA filtration) associated with the site.

Relevant Site Information:

 Type of radiological material managed at the site, use authorizations, and any incidents that would have resulted in potential releases to the environment.

Radiological Surveys:

 Radiological surveys performed at the site, description of survey purpose (routine, characterization, final status, verification), date conducted, agency conducting the survey, survey scope (e.g., interior, exterior), measurements collected, acceptable limits for the survey, and survey results.

Status:

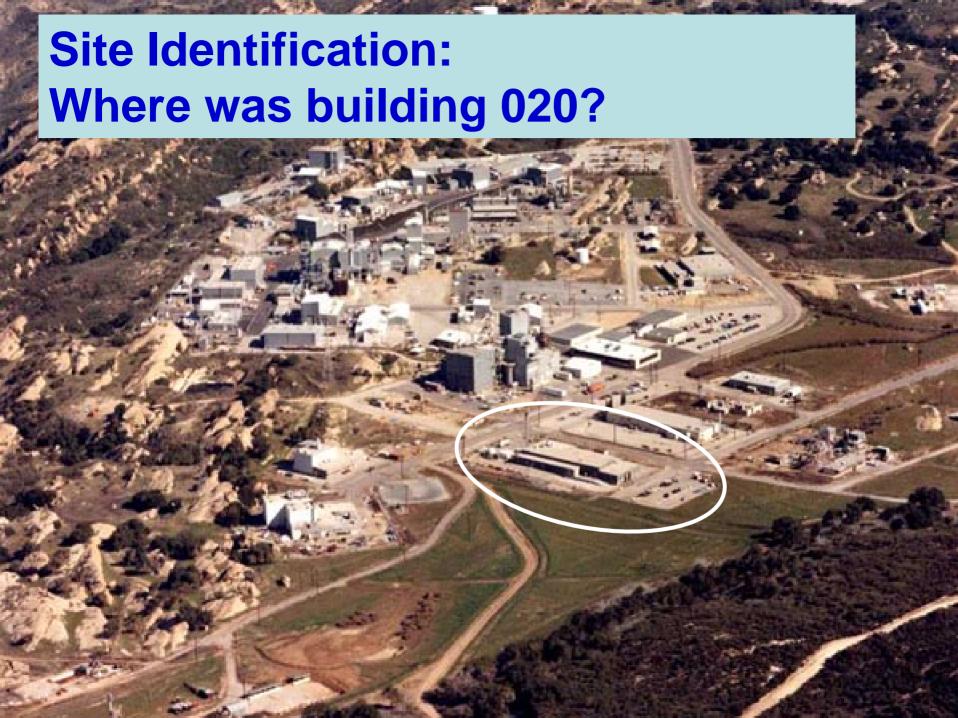
· Site release date and releasing agency (if applicable), and demolition date or current use.

References:

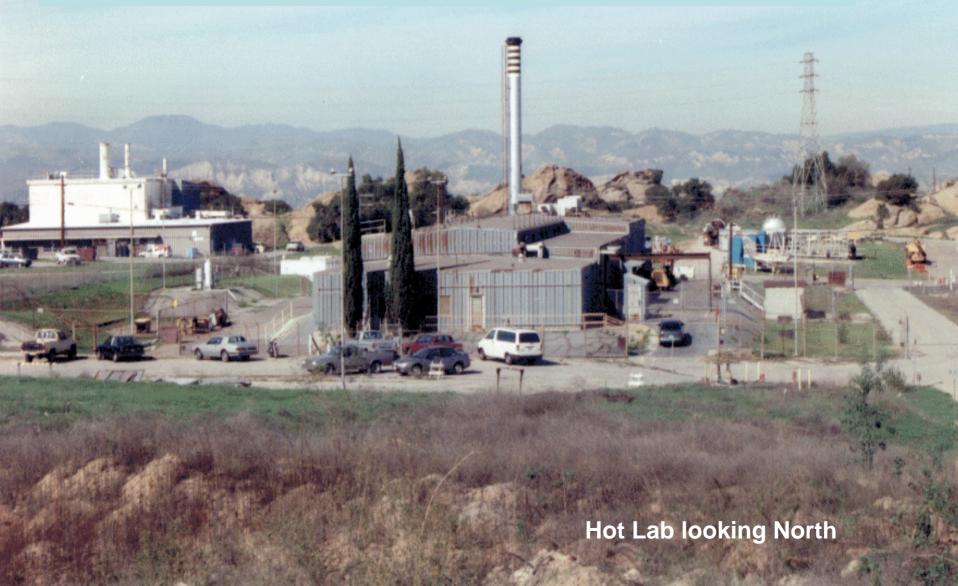
 Documents, maps, photographs, personnel interviews, review of RSRMS, or any other information used to develop the site summary.

Photograph:

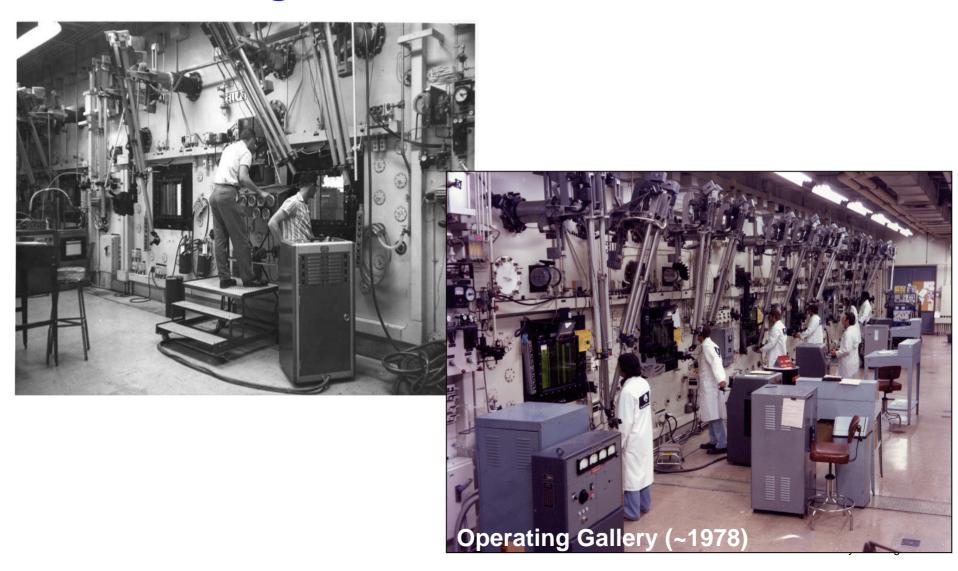
If a photograph of the site was available, it was included in the site summary.



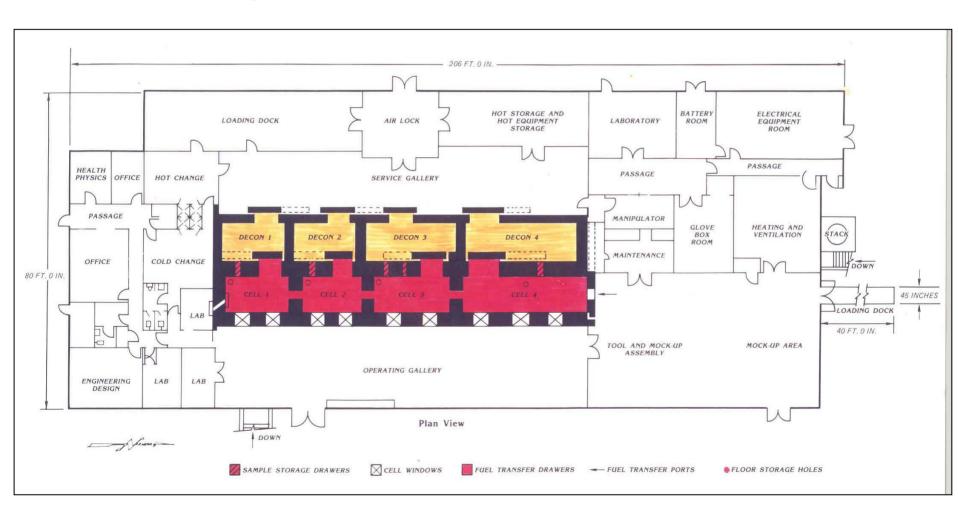
Site Identification: What did building 020 look like?



Operational Use History: What was done at building 020? What radiological material was used?



Site Description: What was building 020 like? Was it designed to be protective?



Relevant Site Information: Did any unexpected things happen?

- 48 incidents between 1959 and 1993
- Considered the most serious incident was a fire in 1971:
 - A fire occurred during the disposal of 100 gallons of sodium/potassium liquid metal
 - nearly all contamination was contained to the Hot Cell
 - 2 to 20 percent of the allowable worker exposure level
 - About 5 percent of the permitted environmental concentrations were released from the stack

Relevant Site Information: What might be left over?

Radioactive materials handled in Hot Lab:

- Fuel Materials
 - uranium
 - thorium
 - plutonium
- Fission products including
 - cesium
 - strontium
- Activation products including cobalt



Radiological Surveys: What were the results?

- Surveys have been completed by the California Department of Health Services (DHS), Oakridge Institute of Science and Education (ORISE), and Boeing

The site has been determined to be safe for unrestricted use

Status: What does building 020 look like today? Hot Lab Site in 2005



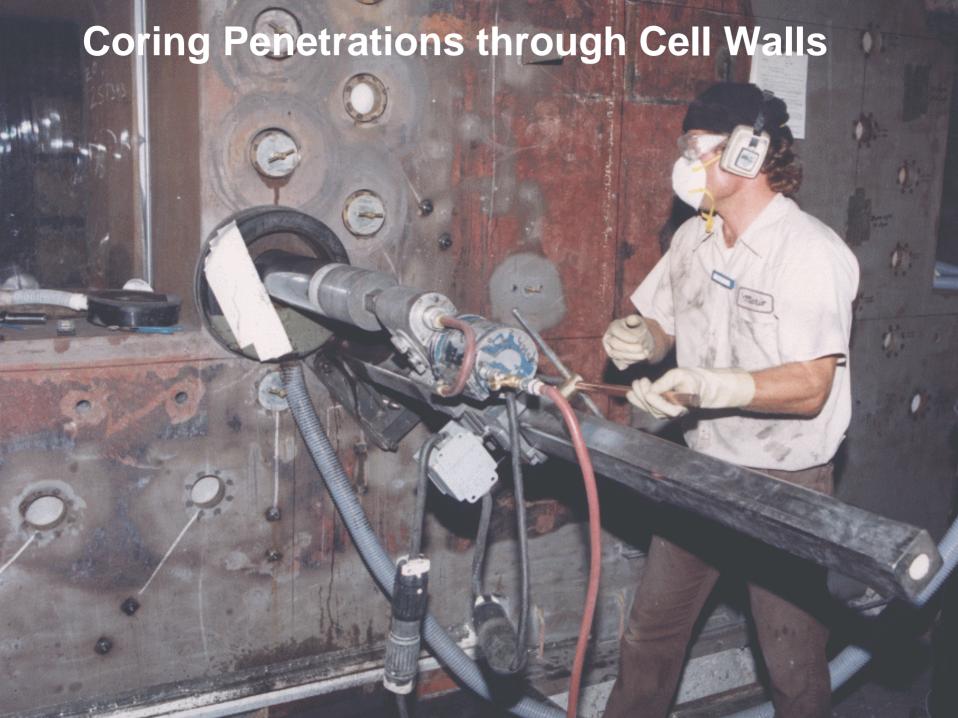








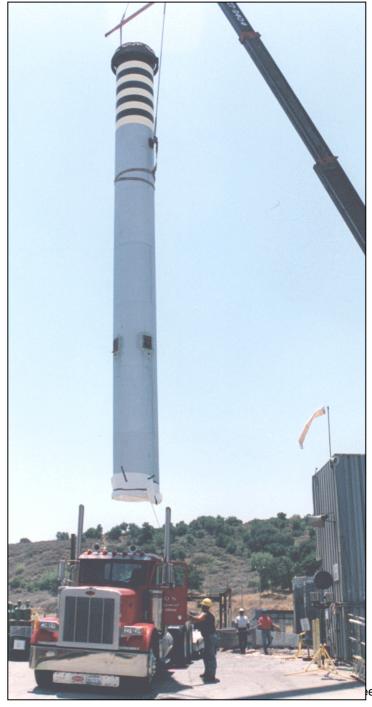








Removal of Stack



eting June 05







Discussion

For More Information Please Contact:

Mike Lopez (DOE):

(510) 637-1633

Majelle Lee (Boeing):

(818) 586-5283

